Mixed Broadleaf Forests (883,498 acres or 0.94% of Montana)



Figure 37. Distribution of Mixed Broadleaf Forest Community Types

Aspen Galleries

Galleries often occur within grassland openings or along the border between grassland openings and coniferous forests. When mature, these galleries often support native tall-grass or mixed-grass prairie plants. When occurring in lowland areas, they are often home to wet meadow species or may contain small wetlands. Sunlight passes easily through the canopy of healthy, mature aspen galleries, promoting understory growth of a rich variety of grasses, wildflowers and sometimes shrubs. In combination, this complex of trees, grasses, and shrubs provide unique foods (including seeds, berries, or nuts) for an equally diverse array of wildlife.

Woody Draws

Draws are a prominent feature across eastern Montana. A much drier, upland environment often surrounds these more diverse dry streambed type areas. Water is not present long enough each year in order to classify them as a wetland, but they are characterized by a greater diversity and density of vegetation that serves a similar function. Woody draws provide essential cover, food, and water for many wildlife species in eastern Montana that otherwise would not exist. Draws are ribbons of life that support some of the highest concentrations of wildlife in the area. Information exists that indicates woody draws are declining throughout the northern Great Plains (Lesica 2005). Conserving these draws will depend on the success of green ash, the dominant plant species in most stands.

Essential Associated Plant Community

Aspen (Populus tremuloides)
Birch (Betula spp.)
Bur Oak (Quercus macrocarpa)
Green Ash (Fraxinus pennsylvanica)
Plains Cottonwood (Populus deltoides)

There are a total of 26 terrestrial vertebrate species that are found within the mixed broadleaf forest community type, with 5 of these species being essentially associated. All associations can be found in Table 40. Note: Wildlife associations within the mixed broadleaf forest community type were underestimated due to unresolvable issues. This should be considered when interpreting species associations with mixed broadleaf forest in this Strategy. Future revisions should clarify and resolve these wildlife associations with the mixed broadleaf forest community type.

Conservation Concerns & Strategies

Conservation Concerns	Conservation Strategies
All Broadleaf Forests	
Loss of broadleaf forest habitat due to	Work with agency and private land
rangeland and forest management	conservation efforts to place
practices, clearing for agricultural use,	easements on lands and implement
and impacts related to human	resource management for aspen
population growth	galleries, cottonwood forests and
	woody draws
	Promote incentives and education for
	private landowners to protect all three
	broadleaf forest types
	Work with other agencies,
	organizations and private land owners
	to develop best management principals
	for broadleaf forests
	Work with local governments to support
	growth and development plans that
	recognize the importance of broadleaf
	forests
	Support education efforts to inform the
	public concerning the critical need for
	conserving broadleaf forests
	Develop statewide riparian best
	management principles

Aspen Galleries	
Altered natural fire regime in aspen	Work with other agencies of authority
galleries (increases encroachment of	to re-establish natural fire regime to
conifers)	promote aspen gallery health
Woody Draws	
Loss of mature snags in woody draw	Promote public education of the need
areas	to preserve older snags in woody
	draws
	Support initiatives to reestablish and
	maintain green ash in woody draws
Loss of shrub layers and lack of	Work with public and private
overstory recruitment due to range	landowners to provide incentives for
management practices in woody draws	sustainable management
	Work to develop best management
	principals for woody draw habitats

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